

# SMWCon Fall 2018

December 12 to 14, Regensburg

## MediaWiki Platform Evolution

Information about the Wikimedia Technical Conference

Karsten Hoffmeyer – December 13, 2018

# SMWCon Fall 2018 – MediaWiki Platform Evolution

Wikimedia Technical Conference 2018

Portland, Oregon, USA

October 22–25, 2018

# SMWCon Fall 2018 – MediaWiki Platform Evolution

50 participants

27 doers

(managers, engineers, etc. from WMF and WMDE)

but also

23 other doers

(community volunteers, stakeholders, etc.)

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4 days

Keynotes and product driven discussions (1 day)

Sessions on how we work together, specific technical ideas, concerns, and outcomes (2 days)

Sessions on technical details of architecting core and on developing a roadmap (1 day)

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## From the Keynotes

- Situation:  
“Just in time” architecture emergent but not designed
- Strategy:  
Become essential infrastructure of free knowledge
  - Knowledge equity
  - Knowledge as a service

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- 8 Goals

Among them:

- APIs and interfaces for third parties and their interfaces
- Open source software stack that can be easily used, modified and extended by others

- 4 Principles

Among them:

- Useable for all
- Extensible and sustainable

- [https://commons.wikimedia.org/w/index.php?title=File:Keynote\\_-\\_Victoria\\_Coleman\\_at\\_WMTechConf\\_Oct\\_2018.pdf](https://commons.wikimedia.org/w/index.php?title=File:Keynote_-_Victoria_Coleman_at_WMTechConf_Oct_2018.pdf)

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- Sessions held (examples)
  - Improving the translation process
  - Building MediaWiki to Support Collaboration
  - Making curation and contribution mechanisms equitable and consistent
  - Integrating data into our products
  - Integrating machine learning into our products

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- Sessions held (examples cont.)
  - Identifying and extracting data trapped in our content
  - Determining use cases and requirements for the APIs that we build
  - Choosing the technologies to build our APIs
  - Architecting Core:
    - layers/components/libraries
    - stand-alone services
    - extension interfaces



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- Developing a roadmap
  - MediaWiki Needs for Collaboration:  
Access control for namespaces
  - Global Curation:  
Make it easier to localize tools like e.g. gadgets
  - Data into products:  
Add a data tab to the wikipedias to show wikidata
  - Machine learning:  
Build JADE (Judgment and Dialogue Engine, a system for wiki communities to annotate individual revisions and diffs)

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- Developing a roadmap (cont.)
  - Choosing install methods:  
Create a command line status/health report tool
  - Extracting data out:  
Provide a structured see also API
  - Parser:  
Move Parsoid into core and determine if it can serve as the sole parser
  - Translation:  
Make the content translation tool translate documents with visual editing on a sub-page segment